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THE NEWSPAPER FOR
THE HOBBYIST OF VINTAGE
ELECTRONICS AND SOUND

THE HORN SPEAKER

From a photograph made for POPULAR RADIO

THIS HOME-MADE SET COSTS FROM $15.00 to $22.00 FOR MATERIALS

Fastening the secondary coil to the sliding support. This sliding coil makes it possible to tune out interference on this set.

How *to* Make and Operate a Two-Circuit Receiving Set

Further evidence of the purpose of the Government authorities to encourage radio amateurs is furnished by these specifications, which have been carefully worked out by the Bureau of Standards, and issued as a sequel to the specifications of the crystal receiving set which were published in the May issue of this magazine.

By WATSON DAVIS

UNCLE SAM is telling the radio fan how to make his own receiving equipment that will enable him to snatch his share of the music, lectures, code and other wireless activity in the ether. The Bureau of Standards, Department of Commerce, cooperating with the Bureau of Markets, Department of Agriculture, has compiled these simple instructions for the amateur.

At a total cost of from about $15 to about $22, depending upon the quality of the telephone receivers and the condenser purchased, he can make an efficient radio receiver right at home that can distinguish between messages from different transmitting stations sent on wavelengths nearly the same. The outfit will enable anyone to hear radio code messages or music and voice sent from medium-power transmitting stations within an area about the size of a large city, and from high-power stations within fifty miles, provided the waves used by the sending stations have wave frequencies between 500 and 1500 kilocycles a second—that is, wavelengths between 600 and 200 meters. This equipment will not receive undamped (continuous) waves.

This set is superior to a single-circuit outfit as it is more selective, that is, it can be tuned sharper. Those who have constructed the Bureau of Standards single-circuit $11 radio receiver according to instructions published in the May issue of this magazine can utilize all the parts of that set in making the better outfit described here.

The instructions tell how to make all the parts of a receiving station except the antenna, lightning switch and necessary ground connections. How to make and erect an antenna and make necessary connections to the receiving set was explained in the previous article.

Parts of the Set

The two-circuit receiving set consists essentially of a coupler, a variable condenser, a crystal detector, and accessories.

The assembled receiving set is shown in Figure 1, and Figure 2 shows how to wire the set.

The coupler, shown in left half of Figure 1, is composed of a fixed section made up of the coil tube P, the upright J, the contact panel K, and the base B, and a movable section composed of coil tube S, the supporting contact panel M and the base L.

The Movable or Secondary Coil

The coil tube S, (Figure 1), is a piece of cardboard tubing 3⅝ inches in diameter and 4 inches long. A round cardboard table-salt box which can be obtained at a grocery store is about 3⅝ inches in diameter and can be used for this purpose. One of the cardboard ends or caps should be securely glued to the box. This tube is wound with No. 24 (or No. 26) double cotton covered copper wire.

To wind the wire punch two holes in the tube ⅜ inch from the open end, as shown at R, Figure 2. Weave the end of the wire through these holes so that it is firmly anchored and has one end extending about 10 inches inside the tube. Punch a hole F about ⅝ inch from the other end (which has the cardboard cover secured to it) in line with the holes punched at R. Draw the free end of the wire through the inside of the tube and thread it out through the hole at F. Now wind on 10 turns of wire and take off a 6-inch twisted tap made by twisting a 6-inch loop of wire together at such a place that it will be slightly staggered from the first connection. Hold the turns tight and punch a hole B directly underneath this tap. Insert the end of the tap in the hole and pull it through the inside of the tube so that the turns are held in place. The hole for this tap should be slightly staggered from the first two holes which were punched. Punch another hole L ⅝ inch from the other end of the tube and in line with the hole B. Thread the twisted tap out through this hole and pull it tight. Wind on 10 more turns and bring out another twisted tap, then 10 more turns and another tap; 15 turns and another tap; 15 more turns and an-

(Continued on page 3)

letters

Jim:

....Antique radios and such are scarce in this area, but I have managed to get a 1925 Splitdorph, a couple of 1924 and 1925 Atwater Kent and 1 1923 Home made 3 tube set. Also have a cylinder phono and 50 cylinders for it-- but I am still looking for more.

Good luck,
C. D. Ray
417 Cedar DRive
Hampton, VA 23669

Dear Jim:

....This past year has been good to me although I have not found too many old radios. In fact only one that I am going to keep. It is a Crosley "The Pal" with a model 53 chassis. I am hoping some of your readers can help me with some information about this set. The speaker that came with it is a RCA 100A and the case is broken. This speaker looks real nice on top of the cabinet.

Any help from anyone would be greatly appreciated.

Happy hunting,
Frank L. Pratt
730 Revere Ave.
Ft. Walton Beach,
Florida 32548

Dear Jim,

I wonder if any of your readers have any information on a Hallock and Watson "Halowat" 8-tube battery portable superhet? I need a schematic and the company wasn't too prominent so literature is scarce. Also, if any one has helpful hints on how to get into an RCA catacomb for service I'm interested in suggestions.

Sincerely,
Ron Kramer
103 High St.
Ashland, OR 97520

Do you have a schematic diagram for the 8 tubes plus rectifier Skyrover? If so how much? Thank you.

Noble Hale
8842 Red Oak
Crestwood, MO 63126

EDITOR...No, but several of our advertisers sell schematics.

FIND

Stood under a hot summer sun last year for three hours waiting for two radios to come up for bid at an auction. I was thinking that radios weren't too common an item and most of the bidders wouldn't know a Grebe CR-9, and another home made set of similar vintage, from a hair dryer. Unfortunately, there was one other bidder (who was probably a dealer) who did and snapped up both items at a price that was above a going collector's prices. I was pretty disappointed and angry after standing around for so long but consoled myself in the knowledge that the fellow paid dearly for the two. Then another item I hadn't seen before came up to bid. It was a small box containing a Kennedy 521 in really nice condition. I already had one but thought I'd bid anyway and figured the other fellow would take that too. But apparently he had had enough and didn't bid so it was mine for $10.00. When I got the box to the car and closely inspected it, however, I found that in addition to a small ac/dc radio of the 30's the entire bottom of the box was filled with brass base tipped tubes. All 01A's except for one WD-11. And all good. So my morning was well spent. I was pretty happy with my FIND.

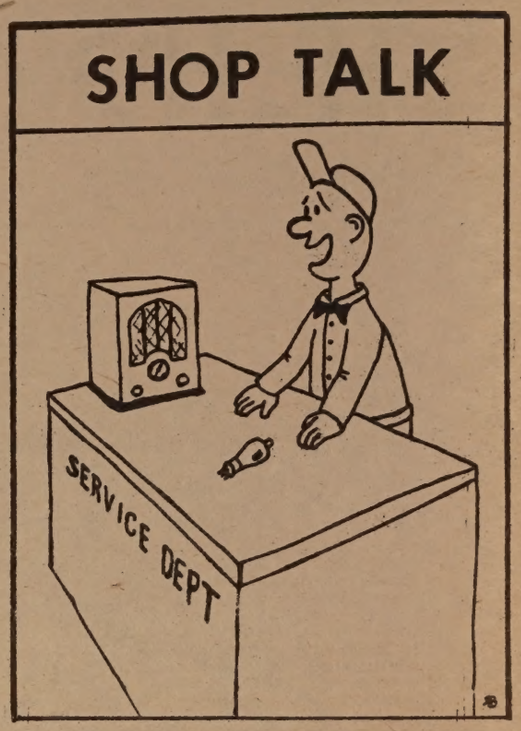
Hope other collectors are equally happy with their finds lately.

Ron Kramer
Ashland, Oregon

Recent additions here include a Federal 61 and a Grebe CR-8 and some early tubes. Collecting here is a little slow now, but still fun.

Barney Wooters
Denver, Colorado

SHOP TALK



ANOTHER WAY
by Ron Boucher

A while back I sent in an article about how to listen to your tapes of old radio programs over your antique radio. In that article I described how you could "broadcast" your tapes to the radio by means of a signal generator. This involves some work but once its all set up and left intact, all you have to do is switch on the generator when you want to use it. You also have the added realism of using all the controls on the radio to tune in your program.

There is another way of listening to your programs over, and if you are looking for a method that is inexpensive and very easy to set up, the following is for you.

(Continued on page 8)

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other tap. Finally, wind on 20 more turns and bring out the free end of the wire in the same manner as the taps were brought out. The tube now has 80 turns of wire wound on it and there are 5 twisted taps and two single wires projecting through the row of holes at the closed end of the tube. The position of the wires inside the coil tube is shown by the dotted lines.

The Base and Support for Coil

The contact panel M, Figure 1, which supports the coil tube is a piece of dry wood or Bakelite 5½ inches high, 4 inches wide and ¼ inch thick. The end of the switch arm should be wide enough so that it will not drop between the contact points, but not so wide that it cannot be set to touch only a single contact. Having located the hole for the switch-arm bolt, the switch arm should be placed in position and the knob rotated in such a manner that the end of the contact arm will describe an arc upon which the contact points are to be placed. The holes for the contacts should next be drilled, the spacing depending upon the kind of contacts which are to be used.

The movable base L is a square piece of dry wood 4 inches long, 4 inches wide and about ¾ inch thick. Care should be taken to have the edges of this block cut square with respect to the sides.

Now screw panel M to the movable base L, as shown in Figure 1. Care should be taken to have the edges of the blocks M and L evenly lined up so that the two edges of the block L, Figure 1, which slide along the inside edges of the strips H and I will be smooth continuous surfaces.

The Parts Needed and the Approximate Cost

You will have to buy these parts of the set, or find them around the house:

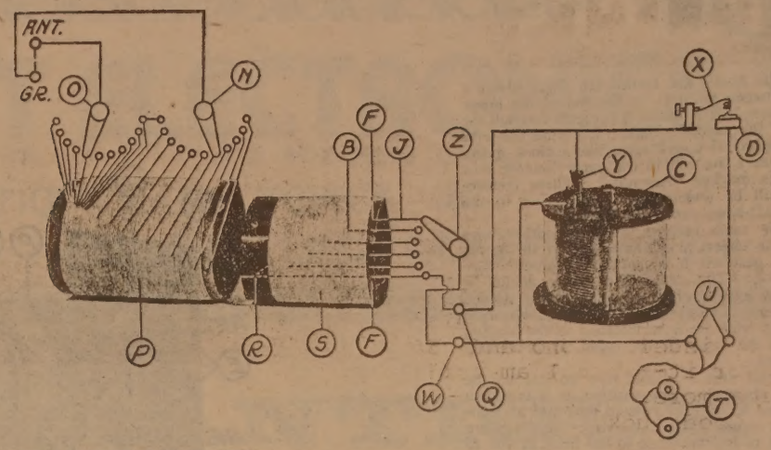
6 ounces No. 24 double cotton covered copper wire	$ .80
2 round cardboard boxes	
3 switch knobs and blades, complete	1.50
24 switch contacts and nuts	1.00
3 binding posts; set-screw type	.45
4 binding posts; any type	.60
1 crystal; tested	.25
3 wood screws; brass, ¾ inch long	.03
2 wood screws for fastening the panel to the base	.02
Wood for panels (from a packing box)	
2 pounds paraffine	.30
Lamp cord; 2 to 3 cents a foot	
Telephone Receivers	4.00 to 8.00
1 battery clip for crystal	.10
Miscellaneous Screws	.30
1 variable condenser; 0.0004 to 0.0005 microfarads (400 to 500 micromicrofarads)	3.00 to 6.00

The Fixed or Primary Coil

The cardboard tubing or coil tube P is 4⅛ inches in diameter by 4 inches long. About 2 ounces of No. 24 (or No. 26) double cotton-covered copper wire is used for winding the coil. Punch two holes in the tube about ½ inch from one end. Weave the wire through these holes in such a way that the end of the wire will be firmly anchored, leaving about 12 inches of the wire free for connecting. Start with the remainder of the wire to wind turns in a single layer about the tube, tight and close together. After one complete turn has been wound on the tube hold it tight and take off a tap. This tap is made by twisting a 6-inch loop of the wire together at such a place that it will be slightly staggered from the first connection. Proceed in this manner until 10 twisted taps have been taken off, one at every turn. After these first 10 turns have been wound on the tube, take off a 6-inch twisted tap for every succeeding 10 turns until 10 taps are taken off or 100 additional turns have been wound on the tube. After winding the last turn of wire anchor the end by weaving it through two holes punched in the tube as at the start, leaving about 12 inches of wire free for connecting. It is to be understood that each of the 21 taps is slightly staggered to the right from the one just above, so that the taps will not be bunched along one line on the cardboard tube. (See Figure 2.) It might be advisable, after winding the tuning coil, to dip the tuner in hot paraffine. Glue a cardboard cover to the end of the tube where the single turn taps are taken off.

The Panel

Panel K should be made from a board 7½ inches long by 4½ inches wide and about ½ inch thick. The position of the contacts can best be determined by inserting the switch arms in their respective holes and turning the knobs so that the ends of the switch arms will describe arcs. The position of the several holes for the binding posts, switch arms and switch contacts may first be laid out and drilled. The "antenna" and "ground" binding posts may be ordinary 8/32 brass bolts about 1½ inches long with three nuts and two washers. The first nut binds the bolt to the panel, the second nut holds one of the short pieces of stiff wire, while the third nut holds the antenna or ground wire as the case may be. The switch arm with knob may be purchased in the assembled form or it may be constructed from a ¾-inch slice cut from a broom handle and a bolt of sufficient length equipped with four nuts and two washers, together with a strip of thin brass. The end of the switch arm should be wide enough so that it will not drop between the contact points, but not so wide that it cannot be set to touch only a single contact. The switch contacts may be of the regular type furnished for this purpose or they may be 6/32 brass bolts with one nut and one washer each.



From a design made for POPULAR RADIO

FIGURE 1

What the electrical parts of the receiving set are, combined with a diagram that illustrates the system of wiring.

The fixed base B is a piece of dry wood 5½ inches wide, 19 inches long and between ¾ and ⅞ inch thick. The support J for the fixed coil tube is 5½ inches wide (the width of the base), 6 inches long and about ½ inch thick. This board should be screwed to one end of the base so that it is held securely in a vertical position. It will then project about 5 inches above the base B.

A strip of wood I, 11 inches long, 5/16 inch wide and about ¼ inch thick is now fastened to the base by cigar-box nails or small brads so that it is even with the rear edge, as shown in Figure 1. The upright panel M having been fastened to the movable base L, as previously explained, is placed in position as shown. The next step is to locate the strip H in such a position that the block L will slide easily back and forth the entire length of the fixed base B. Having found this position this strip is secured in the same manner as the strip I. It is, of course, understood that neither the movable coil tube S nor the switch contacts and binding posts have, up to the present time, been mounted on the upright panel M. The wooden parts for the loose-coupler are now finished and should be covered with paraffine.

It might be advisable after winding the coil tubes P and S to dip them in hot paraffine. This will help to exclude moisture. Have the paraffine-heated until it just begins to smoke so that when the coils are removed they will have only a very thin coating of paraffine.

The Variable Condenser

The variable air condenser C should have a maximum capacity of between 0.0004 and 0.0005 microfarads (400 to 500 micromicrofarads.) The type pictured in Figure 1 is inclosed in a round glass case, but the "unmounted" type may also be used. The variable condenser is mounted on the base B, Figure 1. After the holes for the detector binding post, and also the holes for the telephone binding posts U have been drilled, the board should be coated with paraffine.

The Crystal Detector

The galena crystal D may be mounted as pictured in Figures 1 and 2. The holder for the crystal is a metallic pinch-clip such as the ordinary battery test clip or paper clip. This clip should be bent into a convenient shape so that it may be fastened to the base.

The wire X which makes contact with the crystal is a piece of fine wire (about No. 30) which is wound into the form of a spring and attached to a heavy piece of copper wire (about No. 14). This heavy wire is bent twice at right angles, passes through the binding post, and has a wood knob or cork fixed to its end as shown. It is desirable to have the fine wire of springy material such as German silver, but copper wire may be used if necessary.

The importance of securing a tested galena crystal can not be emphasized too strongly, and it should be understood that good results can not be obtained by using an insensitive crystal.

Assembling the Coupler

The movable portion of the coupler should be assembled first. As shown in Figure 1, the fittings making up this part of the set are the movable base L, the coil tube support M and the coil tube S. Insert in M the 6 switch contacts (machine screws), the switch arm, and the binding posts, in the proper holes which have been drilled. Adjust the switch arm until it presses firmly on the contact points (bolt heads) and fasten the bare end of a No. 24 copper wire between the nuts on the end of the switch-arm bolt 2, Figure 2, which projects through the panel M. Wind this wire into the form of a spiral of two or three turns like a clock-spring, leaving a few inches of the wire for connection. Insert two small screws V, Figure 1, in the panel M so that the switch arms will not drop off the row of contact points when the knob is turned too far.

The coil tube S is now ready to be fastened in position on the panel M. Cut a 1-inch hole in the cardboard end of the coil tube and place it with the closed end next to the panel M in such a position that it will be just below the row of nuts and washers (switch contacts) and in the center of the panel M with respect to the sides. Fasten it to the panel with short wood screws. The switch-arm bolt with the spiral wire connected to it should project through the hole cut in the end of the coil tube. Thread the end of this wire through a hole punched near the end of the coil tube next to the panel and connect this wire to the back of the binding post, W, Figures 1 and 2. The wire F, Figure 2, is now connected to the back of the binding post Q. There now remain 5 twisted taps and 1 wire to be connected to the 6 switch contacts. The taps should be cut off about 1½ inches from the coil tube and the insulation removed from the pairs of wires thus formed. Each pair of wires should be twisted together, as shown at J, Figure 2. The connections are now made by clamping the 5 taps and also the end of the single wire between the nuts and washers on the contact bolts. The connections are clearly shown in the diagram.

We are now ready to assemble and wire the fixed portion of the coupler, composed of the Base B, coil support J, panel K and coil tube P.

Screw the panel to the base and to the support J and insert the binding posts, switch arms and bolts, and contact bolts in the proper holes. The switch arms should now be adjusted so that they make firm contact on the heads of the bolts. Now insert 4 small screws, E, Figure 1, in the front of the panel so that the switch arms will not drop off the row of contact points

when the knobs are turned too far. Insert a wire between the nuts on the end of the lower switch-arm bolt N where it projects through the back of the panel K, Figure 1. Wind the wire into a spiral of 1 or 2 turns like a clock-spring and connect the end to the upper binding post which is marked "Antenna." These connections will be understood by referring to the upper left-hand corner of Figure 2.

In the same manner connect another wire from the upper switch-arm bolt to the lower binding post which is marked "Ground." See Figure 2. The connecting wires should be insulated except where a connection is needed and should not touch each other. Two short pieces of wire are now fastened to the binding posts in the front of the panel, as previously explained.

The coil tube P should now be laid on the base in about the same position as it is shown in Figure 1. The 19 twisted taps and also the 2 single wires from the ends of the winding are now to be connected to the back of the 22 contacts on the panel K. Scrape the cotton insulation from the loop ends of the nineteen twisted taps as well as from the ends of the two single wire taps coming from the first and last turns. Fasten the bare ends of these wires to the proper switch contacts. Be careful not to cut or break any of the looped taps. The connecting wires may be fastened to the switch contacts by binding them between the washer and the nut. The order of connecting the taps may be understood by referring to Figure 2.

Carefully raise the coil tube P against the support J to such a position that when the coil tube S of the movable section of the tuner is pushed in the coil tube P, the space between the two tubes will be equal all around. Mark this position of the coil tube P on J, and fasten it to J with short wood screws.

Wiring the Condenser and Crystal Detector

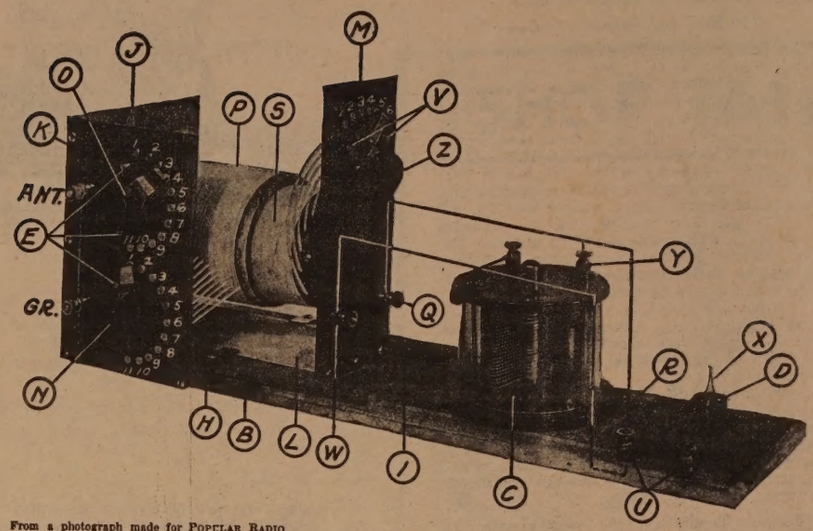
The mounting of the condenser C and the crystal detector D on the base R is clearly shown in Figure 1. A wire is run from the binding post Y on the variable condenser C, through a small hole in the base R, and is then connected to the under side of the detector binding post. Another wire is now run from the clip which holds the galena crystal, through a small hole in the base, and is then connected to the under side of the right-hand binding post U. The left-hand binding post U is next connected to the binding post on the variable condenser which has no wire attached to it, by running a wire under the base and up through a small hole. The wiring will be understood by referring to the right-hand portion of Figure 2. The wires may be the same size as were used for winding the coil tubes and should be insulated. Two pieces of wire should now be connected from the binding posts W and Q, Figures 1 and 2, to binding posts on the variable condenser. The telephone receivers T are now connected to the binding posts U and the receiving set is complete except for connecting to the antenna and ground.

Connect the antenna lead and ground wire to the binding post marked "Antenna" and "Ground."

Directions for Operating

Push the coil tube S (secondary) about half way into the coil tube P (primary) and set the switch Z on contact point 4. The primary switch O may be left in any position. The wire which rests on the crystal detector must be placed lightly at different points on the crystal until the transmitting station is heard when the set is adjusted as described below. During this operation the primary switch N should be set on contact point 5.

Having adjusted the crystal detector to a sensitive point, the next thing is to adjust the switches on the coil tube P (primary), the switch on the coil tube S (secondary) and also the variable condenser C, so that the apparatus will be in "resonance" with the transmitting station. Set the primary switch N on contact point 1, and while keeping it in this position move the other primary switch O over all of its contacts stopping a moment at each one. Care should be taken to see that the ends of the switch arms are not allowed to rest so that they will touch more than one contact point at a time. If no signals are heard, set the switch arm N on contact point 2 and again move the switch arm O over all of its contacts. Proceed in this manner until the transmitting station is heard. This is called "tuning" the primary circuit.



From a photograph made for POPULAR RADIO

FIGURE 2

How the parts of the set are assembled. This set will receive satisfactorily within an area of any large city, from medium-power stations and from high-power stations within 50 miles.

The tuning of the secondary circuit is the next operation. Set the secondary switch Z on contact point 1 and turn the knob of the variable condenser C so that the pointer moves over the entire scale. If now signals are heard, set the switch on contact point 2 and again turn the knob of the variable condenser so that the pointer moves over the entire scale. Proceed in this manner until the signals are loudest, being careful to see that the ends of the switch arms touch only one contact point at a time. Next slide the coil tube S (secondary) in and out of the coil tube P (primary) until the signals are made as loud as possible. This operation is called changing the "coupling." When the coupling which gives the loudest signal has been secured, it may be necessary to readjust slightly the position of the switch arm O, the position of the movable coil tube S and the "setting" of the variable condenser C.

The receiving set is now in resonance with the transmitting station. It is possible to change the position of one or more of the switch arms, the position of the movable coil tube and the setting of the variable condenser in such a manner that the set will still be in resonance with the same transmitting station. In other words, there are different combinations of adjustments which will tune the set so that it will respond to signals from the same transmitting station. The best adjustment is that which reduces the signals from undesired stations to a minimum and still permits the desired transmitting station to be heard. This is accomplished by decreasing the coupling (drawing coil tube S farther out of coil tube P) and again tuning with the switch arm O and the variable condenser C. This may also weaken the signals from the desired transmitting station, but it will weaken the signals from the undesired stations to a greater extent, provided that the transmitting station which it is desired to hear has a wave frequency which is not exactly the same as that of the other stations. This feature of the radio receiver is called "selectivity."

Have You Noticed That it is Always When You Want to Show Your Set to Some Friends That the Darn Thing Does Not Work?

RADIO NEWS, September 1922

PUETT ELECTRONICS

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RADIO AMERICANA

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13. RCA VICTOR PLASTIC SET. (EARLY) 10.00
14. STEWART WARNER. METAL BOX SET. NICE SHAPE. 35.00
15. PHILCO MODEL 42-355. ART DECO. EARLY '40'S. WORKS. 35.00
16. EMERSON. MODEL DP332. GOOD. 20.00
17. PILOT MODEL T301. NICE. 35.00
18. PHILCO MODEL 604. DIAL ON THE TOP. TWIN SPEAKERS ON THE SIDES. UNUSUAL. NICE CONDITION. 45.00
19. STEWART WARNER. MODEL 9100. GOOD. 10.00
20. RCA MODEL 67T1. VARNISH ON TOP IS MARRED. 15.00
21. PHILCO TRANSITONE. GOOD. 15.00
22. CAROD. LOOKS LIKE BATTERY SET. NO POWER SUPPLY. VG. 25.00
23. INTERNATIONAL UNIVERSAL RADIO IN ORIGINAL BOX. SET IS NOT NEW AND DOESN'T WORK. I THINK THAT THIS WAS THE FIRST AC-DC SET MANUFACTURED. NICE CONDITION. 25.00
24. PHILCO MODEL 511 WITH MATCHING SPEAKER. EXCELLENT. 50.00
25. G.E. SLANT FRONT. VERTICAL DIALS EITHER SIDE OF PANEL. PUSH BUTTONS IN CENTER. DIFFERENT. GOOD CONDITION. 20.00
26. PHILCO 41-221. LEATHERETTE AC-DC TWO BAND SET. HAS A HANDLE ON THE TOP SO IT MUST BE A PORTABLE. THE LEATHERETTE IS A LITTLE ROUGH BUT CAN BE REPAIRED TO LOOK FAIRLY GOOD. 10.00
27. PHILCO 39-C. SMALL WOODEN RADIO. VERY GOOD. 20.00
28. HOWARD BROADCAST SET. WOODEN CABINET. VERY GOOD. 25.00
29. SONORA MODEL RCU 206. SMALL WOODEN RADIO WITH NICELY SHAPED CABINET. VERY GOOD CONDTION. 30.00
30. MAJESTIC BROADCAST SET. METAL GREY CABINET. LOOKS LIKE A MILITARY VERSION FOR TROOP RECREATIONAL USE. GOOD. 30.00
31. STEWART WARNER PORTABLE A61P3. BROWN PAPER COVERED CASE. NICE NEAT CONDITION. 15.00

CATHEDRAL, FLAT-TOP AND TOMBSTONE TYPE SETS.

24B. DETROLA. EARLY TRF. NICE APPEARANCE. RICH LOOKING. 65.00

25A. AIRAD FLAT-TOP. NICE LITTLE SUPERNET. VERY GOOD. 40.00
25. SILVERTONE FLATTOP. GOOD SHAPE. 35.00
27. WARE ELECTRIC. TYPE 31. ROUND TOP WITH SPINDLES ON EITHER CORNER. GOOD. TRF. TUBES LIGHT BUT NOT WORKING. 75.00
28. ATWATER KENT MODEL 84. EXCELLENT. 145.00
29. U.S. GLORITONE. LARGE CATHEDRAL RADIO. VERY GOOD. 75.00
30. PHILCO MODEL 84. WORKS. EXCELLENT. 75.00
33. PHILCO MODEL 38. BATTERY OPERATED. EXCELLENT. 60.00
35. PHILCO MODEL 71. LARGE CATHEDRAL. WORKS. EXCELLENT. 125.00
36. PHILCO MODEL 70. LARGE CATHEDRAL. EXCELLENT. 125.00

ELECTRIC RADIOS ARE SOLD COMPLETE WITH TUBES. SETS DO NOT WORK UNLESS SPECIFICALLY MARKED AS WORKING.

RADIO SPEAKER LIST
DATED 2/1/81

1. ANSONIA MODEL 911 REPRODUCER. NEEDS REFINISHING WORKS. IS CATHEDRAL SHAPED. $ 15.00
2. MIRI CONE SPEAKER. PHILADELPHIA. NICE ROUND ALL METAL BRONZE COLOR. EXCELLENT. 25.00
3. WLS SILVERTONE. ALL METAL. CRINKLED GOLD. ROUND SHAPE. EXCELLENT. 25.00
4. RADIOLA TYPE 102. ROUND METAL SPEAKER. EXCELLENT. 25.00
5. ATWATER KENT TYPE E. LARGE ROUND SPEAKER. EXCELLENT. 30.00
GOOD. 20.00
6. NICE WOODEN CABINET SPEAKER. FLAT TOP WITH SLANT CORNER DESIGN. VERY NICE. 15.00
7. TELETONE. BEAUTIFUL ROUND WOODEN SPEAKER. NICE LIGHT CASE BEAUTIFULLY MADE. GRILL CLOTH IS EXCELLENT. 25.00
8. PEERLESS REPRODUCER. CATHEDRAL STYLE. EXCELLENT. 20.00
GOOD. 15.00
REFINISHED. HAS MODERN 8 OHM SPKR. 10.00
9. ATWATER KENT E3 SPEAKER. SMALLEST OF THE E SERIES. EXC. 25.00
10. CROSLEY TYPE D MUSIC CONE. VERY GOOD. 20.00
11. ATWATER KENT E2 SPEAKER. MIDDLE SIZED OF E SERIES. EXC. 25.00
12. RADIOLA 100A EXCELLENT. 20.00
13. GOOD. 15.00
14. FAIR. 10.00
15A. AMPLIPHONE. TYPE A. BY DOOLITTLE CO. HARTFORD, CONN. WORKS. HAS METAL BOX CASE. NO RUST BUT NEEDS REPAINTING. 20.00
16A. SMALL ROUND SPEAKER. LOOKS LIKE A SMALL RADIOLA 100. THIS IS A VERY NICE ITEM. WORKS. 25.00
17A. RADIOLA 103. EXCLLENT. WORKS 45.00

BATTERY RADIOS FOR SALE
DATED 2/1/81
SPECIAL CLEARANCE

1. AK MODEL 20 COMPACT. VERY GOOD. $ 50.00
2. AK MODEL 20 STANDARD. VERY GOOD. 50.00
3. AK MODEL 35. EXCELLENT. 45.00
4. AK MODEL 10 BREADBOARD. VERY GOOD. ~~35.00~~
5. AK MODEL 33. REFINISHED CABINET. SOME TOUCH UP DONE ON THE FRONT PANEL. BEAUTIFUL. TUNING OK. 50.00
5A. AK MODEL 30. VERY GOOD. 50.00
6. AERODYNE SPECIAL. NIFTY SMALL 5 TUBE SET WITH THREE TUNING CONDENSERS. VERY GOOD. 50.00
7. ARBORPHONE MODEL 27. UNUSUAL SET WITH BROADLY ROUNDED CORNERS AND WAFER COILS. THREE CONDENSERS DRIVEN BY TWO FRONT PANEL CONTROLS. TWO CONDENSERS ARE CONCURRENT IN A VERY UNUSUAL ARRANGEMENT. EXCELLENT. 60.00
7A. ADOLF BRAUER. TWO PIECE GERMAN SET DATED JUNE 1924. THIS IS A SURE CONTEST WINNER. EXCELLENT CONDITION. LOOKS LIKE THE CONSOLE OF AN AIRLINER AS IS OVER-ENGINEERED LIKE MOST GERMAN ELECTRONIC PRODUCTS OF THAT ERA. SMALL, COMPACT AND BEAUTIFUL SET. 400.00
8. AIRLINE RANGER. FIVE TUBE SET WITH INTERNAL HORN SPEAKER AND FANCY GRILL. TWO CONTROLS DRIVE 2 COND. 60.00
9. BLUE RIBBON. SLANT FRONT. FIVE TUBES AND 3 KNOBS. 50.00
10. BROWNING DRAKE MODEL 5R. EXCELLENT. 75.00
10B. CLAPP EASTHAM BROADCAST RADIO. ONE OF THE FEW MADE. FINE OLD NAME. SET IS IN EXCELLENT CONDITION. 50.00
11. CROSLEY MODEL 51. VERY GOOD. ~~65.00~~
12. CROSLEY MODEL 5-50. NICE. ~~55.00~~ 80.00
13. CROSLEY TRYRDYN 3R3. GOOD BUT NEEDS CLEANING AND A REPLACEMENT BATTERY SWITCH. 70.00
14. CROSLEY SPECIAL TRYRDYN. THIS IS AN UNUSUAL MODEL OF CROSLEY. I HAVE NEVER SEEN ONE LIKE IT. LARGE SET LOOKS BRAND NEW IN ORIGINAL CARTON. 70.00
14A. CROSLEY MODEL 52. EXCELLENT 75.00
14B. CROSLEY MODEL XJ. EXCELLENT 75.00
15. CHELSEA SUPER FIVE. SLANT FRONT 5 TUBER. THREE KNOBS AND IN VERY NICE CONDITION. 50.00
16. DEFOREST D12. IN LEATHERETTE CABINET. VG. WITH LOOP. 250.00
17. DEFOREST D12. MAHOGONEY. NICE BUT NO LOOP. 150.00
18. DEFOREST D10. WITH LOOP AND EXTRA COILS. BEAUTIFUL. 300.00
19. ERLA MODEL S11. CHASSIS ONLY. EXCELLENT WITH BALLOON COILS BUT NO AUDIOS. 10.00
20. ERLA SUPERFLEX. 3 TUBER WITH 2 CONDENSERS. CASE MAY BE HOME BUILT FROM KIT. VERY NICE LITTLE SET. 40.00
21. FADA. NEUTRALETTE MODEL 192A. VERY GOOD. 50.00
22. FADA. NEUTRODYNE. MODEL 175A. VERY GOOD. 50.00
23A. FRESHMAN MASTERPIECE. 3 KNOBBER. NICE. 50.00
23B. FRESHMAN MASTERPIECE. METAL HANDLES AND WINDOW DIALS. 40.00
23C. FREED-EISMAN NR 45. IN REPRODUCTION CABINET. GOOD. 60.00
23D. FREED-EISMANN NR 7. EXCELLENT 60.00
24. GLADIATOR G-60. THREE KNOBS DRIVE 3 CONDENSERS. 45.00
25. GREBE MU1 SYNCHROPHASE. EXCELLENT. 100.00
26. GREBE CR9. ORICINAL AND EXCELLENT. 225.00
27. GILFILLAN NEUTRODYNE. MODEL GN5. VERY NICE. 50.00
28. KELSO. SLANT FRONT. ONE FOOT IS MISSING BUT IS EASY TO DUPLICATE. INCLUDES A LETTER DATED 192 FROM THE KELSO COMPANY TO THE SET OWNER EXPLAINING TO MAKE THE SET WORK BETTER! VERY NICE. 50.00
29. KOLSTER MODEL 6D. NICE. 35.00
32. KODEL RADIO RECEIVER. NOT MARKED EXCEPT ON TRANSFORMER BUT DEFINITELY IS A KODEL. ONE TUBE DETECTOR WITH ONN STAGE OF AUDIO. SMALL CABINET COVERED IN PAPER FABRIC. TOP LID IS LOOSE BUT NOT TORN. CAN BE EASILY REGLUED. HAS COMPRESSION TYPE TUNING. IN EXCELLENT ORIG. COND. 70.00
32A. OREOLE RECEIVER BY WK ELECTRIC IN CHICAGO. BEAUTIFUL CONDITION. 75.00
33. OZARKA. FOUR KNOBS AND WAFER COILS. BATTERY STORAGE IN BASE. NEEDS COAT OF VARNISH OR OIL FINISH. STAIN IS STILL GOOD. THIS IS A NICE LARGE SET. 50.00
34. POLLE ROYAL. 5 TUBER WITH WAFER COILS. EXCELLENT. 50.00
35. PILOT 3" TV WITH SERVICE DATA INCLUDED. DOES NOT WORK BUT IS VERY GOOD CONDITION PHYSICALLY. 95.00
36. RADIOLA III MOUNTED IS A LARGE CABINET WITH A LOCKING TOP AND BATTERY CASE BUILT IN. 30.00
36A. RADIOLA IIIA. GOOD. 50.00
37. RADIOLA 25 WITH LOOP. EXCELLENT. 100.00
39. RADIOLA VIII. EXCELLENT. 75.00
39A. RADIOLA 28 WITH LOOP AND STAND. VERY GOOD. 75.00
40. RCA-GE AMPLIFIER-DETECTOR. VERY EARLY. GOOD. 100.00
41. RELY-O-DYNE. 5 TUBER AND 3 KNOBS. COMPACT SET WITH VERY COMPACT CHASSIS. EXCELLENT. 50.00
42. SILVERTONE NEUTRODYNE. LARGE, LONG 6 TUBER. ONE TUNING KNOB AND INDICATOR DIAL DRIVE 3 CONDENSERS THROUGH A RACK AND GEAR DRIVE. INTERESTING AND EXCELNT. 60.00
43. STEWART WARNER MODEL 300. EXCELLENT. 50.00
44. STANDARDYNE. FIVE TUBER AND 3 KNOBS. VERY GOOD. 50.00
45. STANDARDYNE. AS ABOVE BUT NO LID. 40.00
45A. STANDARDYNE. SLANT FRONT. BRONZE COLOR. EXCELLENT. 55.00
46. TRANS AMERICA. THREE DIALS DRIVE 3 CONDENSERS. THIS 5 TUBER IS ATTRACTIVE AND IN EXCELLENT CONDITION. 60.00
47. WORLD RECEIVER. LARGE 5 TUBER ABOUT SIZE OF AN AK STANDARD. THREE KNOBS. BEAUTIFUL CONDITION. 60.00
48. WESTERN ELECTRIC 7A AMPLIFIER. EXCELLENT. 75.00
49. WESTERN ELECTRIC 25B AUDIO AMPLIFIER. 50.00
49B. WESTINGHOUSE AERIOLA SR. EXCELLENT. 100.00
5. WESTINGHOUSE TYPE RF. NEW IN ORIGINAL CARTON. INCLUDES WD 11 BRASS BASE TIPPED TUBE ALSO NEW. 225.00
51. WESTINGHOUSE RADA. EXCELLENT WITH SOME REPLACEMENT FIXED CAPS. 100.00
52. SHOWERS CONSOLA. FLOOR MODEL, BUT A REAL BEAUTY. I HAVE NEVER SEEN A MORE ATTRACTIVE PANEL. LOTS OF FANCY GOLD GILD SCROLL WORK. EXCELLENT CONDITION. 75.00

53. CROSLEY FLOOR MODEL. MODEL 5-75. EXCELLENT WITH INTERNAL SPEAKER. ORIGINAL EMBROIDERED GRILL CLOTH. 50.00
54. CROSLEY PUP. FAIRLY GOOD. HAS DENTS THAT YOU MIGHT EXPECT ON A SET OF THIS AGE. PAINT LOOKS GOOD BUT HAS BEEN TOUCHED UP NICELY. ONE KNOB IS BROKEN. WITH TUBE. 125.00
55. DAY FAN MODEL 5. NICE SHAPE. 40.00
56. CRYSTAL SET. LOOKS LIKE KODEL, BUT I CAN'T PROVE IT. IT IS IN EXCELLENT SHAPE. 50.00
58. CROSLEY SUPER TRYRDYN REGULAR. VERY PRETTY SET. 60.00
59. RADIOLA 20. VERY GOOD SHAPE. NO TUBES. 65.00

HORN SPEAKERS

15. ATWATER KENT MODEL L HORN. NO DRIVER. V.G. APPEARANCE. 35.00
16. MURDOCK HORN ONLY. NO BASE. DENT IN RIM. BLACK PAINT IS BADLY CHIPPED. 20.00
17. MAGNAVOX R3. VERY GOOD. 75.00
19. ATWATER KENT TYPE H. NO DRIVER. 35.00
20. SAAL SYMPHONY GRAND. NO DRIVER. EXCELLENT APPEARANCE 35.00
21. RADIOLA UZ 1320. PART OF BASE IS MISSING AND DRIVER DOESN'T WORK. VERY NICE APPEARANCE. 40.00
22. ATWATER KENT HORN. ALL THERE BUT DOESN'T WORK. NEEDS CLEANING AND REPAINTING. 40.00
23. THOMPSON. FIBRE HORN. NICE SHAPE. WORKS. 50.00
24. FANCY PAPER MACHE HORN. SILVER COLOR. WORKS 50.00
25. STROMBURG CARLSON TELEPHONE CO. HORN SPEAKER. THIS UNIT WORKS AND IS SILVER IN COLOR. 50.00
26. WESTERN ELECTRIC SUPER HORN. VERY GOOD. 95.00
27. WESTERN ELECTRIC SUPER HORN. BASE HAS BEEN GUTTED AND A MODERN PM SPEAKER INSTALLED. HORN IS ROUGH WHEN YOU LOOK AT IT CLOSELY. 40.00
28. TOWER MEISTERSINGER. NO DRIVER. METAL HORN. NICE. 35.00
29. BRANDES TABLE TALKER. EXCELLENT ORGINAL. WORKS. 50.00
30. SAAL. "S" TYPE METAL HORN SPEAKER. EXCELLENT. WORKS, BUT DOES NOT HAVE THE ORIGINAL DRIVER. 45.00
31. ALL METAL BLACK "S" TYPE HORN. WORKS. HAS FIRTH DRIVER. 45.00

VINTAGE HAM GEAR

1. NATIONAL NC 98 RCVR. WORKING AND EXCELLENT W/MANUAL. 60.00
2. HALLICRAFTERS S94. 30-50 MC FM. EXCELLENT APPEARANCE. 12.00
3. GONSET GC 105 2 MTR COMMUNICATOR. WORKS AND IS VG 20.00
4. HARVEY WELLS TBS-50D TRANSMITTER. GOOD. 40.00
5. COLLINS 75A RCVR. EXCELLENT. 200.00
6. COLLINS 32V2 TRANSMITTER. EXCELLENT. 200.00
7. COLLINS 310B EXCITER. EXCELLENT WITH MANUAL. 100.00
8. HALLICRAFTERS SX 25. VERY GOOD. WORKS. 65.00
9. ECHOPHONE EC1A RCVR. VERY GOOD AND WORKS. 35.00
10. HALLICRAFTERS SW 500. A LITTLE ROUGH BUT WORKS. 10.00
11. NATIONAL VELVET B SUPPLY #3580. WORKS. 20.00
12. RCA ACR 136 RCVR. CIRCA 1936. NEEDS REPAIR BUT IS COMPLETE AND LOOKS GOOD. 35.00
13. HEATH HG10B VFO W/PS. EXCELLENT. 15.00
14. SWAN MODEL 175 75 METER SSB TRANSCEIVER. NO PS. 95.00
15. ARC 5 WW 2 BOMBER TRANSMITTER. ORIGINAL AND UNMODIFIED. 20.00
16. CLEGG ZEUS. 6 AND 2 METER CW AND AM TRANSMITTER. RUNS 180 WATTS. EXCELLENT W/MANUAL. 75.00
17. LAYFAYETTE HE 10 VFO FOR TEN METERS. EXCELLENT. 10.00

NOTE: ALL HAM GEAR COMPLETE WITH TUBES.

ALL SETS $75 OR UNDER ARE LESS TUBES. BUYER PAYS SHIPPING. UPS IS THE BEST WAY FOR SETS WEIGHING UNDER 50 LBS PACKED. PACKING CHARGE IS $5 PER LARGE RADIO. THIS INSURES EXCELLENT PACKING AND GIVES YOUR SET AN EXCELLENT CHANCE OF ARRIVING AT YOUR HOME UNDAMAGED.

CALL 914 679 8723 FOR MORE INFORMATION OR TO ORDER SETS. PLEASE CALL AFTER 6:00 PM EST. MAIL ADDRESS IS AS FOLLOWS:

RADIO AMERICANA BOX 161 WEST HURLEY, N. Y. 12491
OR FOR UPS--- 45 ALLEN DR. WOODSTOCK, N.Y. 12498

ALL MERCHANDISE SOLD 'AS IS' WITH NO CLAIMS AS TO WORKING CONDITION EXCEPT WHERE STATED OTHERWISE.

VINTAGE TUBES

1. CAN FOR DEFOREST DV3A AUDION. GOOD SHAPE. 15.00
2. UX 199. GF. 7.00
3. CUNNINGHAM C11. GF 22.00 EA
4. WESTERN ELECTRIC TYPE 2A IN ORIG. CAN. 15.00
5. DEFOREST TUBULAR AUDIOTRON IN NICE BRASS DISPLAY STAND. LABEL IS EXCELLENT. 75.00
6. BLUE ARTURUS 124. 10.00
7. BLUE ARTURUS AC AMP. 28. TIPPED. 15.00
22. RCA-CUNNINGHAM WD12. CLEAR TIPPED BRASS BASE. 27.00
23. SODION. CONN TEL AND ELEC. 35.00
24. KELLOGG 401. 18.00
25. SILVERTONE VR TYPE 31. 5.00
26. RCA WD12. BAKELITE BASE. 18.00
27. WESTINGHOUSE WD11 AERIOTRON FOR AERIOLA SR. BRASS BASED, TIPPED, CLEAR IN ORIGINAL CARTONS. CARTONS ARE EXCELLENT--TUBES ARE NOT. HAVE OPEN FILAMENTS. WILL MAKE GREAT SOCKET FILLERS, THOUGH. 20.00
28. MOORHEAD SE 1444. S F CAL. BRASS BASED TIPPED SHAN BASE. 30.00
29. DEFOREST DV5. CERAMIC BASE. 25.00
30. WESTERN ELECTRIC 211A. 25.00
31. WESTERN ELECTRIC 205D DOORKNOB. 17.00
32. WD11. GF 22.00
33. 201A. GOOD EMISSION. 8.00
GOOD FILAMENT (GF) 5.00
34. CLEARTRON CT 201A. 10.00
35. RADIOTRON UV 201. BRASS BASE, CLEAR, TIPPED. 18.00
36. CUNNINGHAM CX 310. 12.00
37. WESTERN ELECTRIC 239 IN ORIG. BOX. 15.00
38. U.S. ARMY VT2 BY WESTERN ELECTRIC. IN ORIG. BOX. 25.00
39. WESTERN ELECTRIC 264B IN BOX. 18.00
40. W.E 216A DOORKNOB IN BOX. 18.00
41. W.E. 3A IN BOX. 15.00

EVERTHING IS SOLD AS IS BUT WILL BE GLAD TO PERFORM SIMPLE TEST IF YOU GIVE ME INSTRUCTIONS ON WHAT TO DO. IF PRICE IS TOO HIGH, MAKE AN OFFER. SEND SASE IF YOU WANT A REPLY.
FOR TUBES ONLY---------- 10% DISCOUNT ON ORDERS OVER $100
25% ON ORDERS OVER $250.

RADIO RELATED ODDS AND ENDS
DATED 2/1/81

TELEGRAPH

1. J.H. BUNNELL. STRAIGHT KEY. $ 20.00
2. W.E. SOUNDER. TWO COILS. PAT. 3/6/17. WOODEN BASE IS ORIGINAL. NICE CONDITION. 25.00
3. J.H. BUNNELL WESTERN UNION TEL. CO. SOUNDER. 1-B-400 OHMS. WOODEN BASE. VERY NICE. 45.00
4. J.H. BUNNELL. 20 OHM SOUNDER AND KEY. PATENTED 2/16/91 ORIGINAL WOODEN BASE. GOOD SHAPE. 50.00
5. WESTERN UNION MAIN LINE SOUNDER 15B. 120 OHM. GOOD 40.00
6. W.E. 7A SOUNDER. 1000 OHMS. GOOD. 40.00
7. J.H. BUNNELL SOUNDER. THERE IS A CHIP IN THE COIL COVER. 30.00
8. WESTERN UNION SIGNAL RELAY 3D. GOOD. 35.00
9. W.E. STRAIGHT KEY MARKED AT AND T CO. VERY GOOD. 25.00
10. 25 OHM COIL. INDUCTOR #20. PAT. NOV 29, 1932. PROPERTY OF AMERICAN BELL STELEPHONE. COIL ONLY. 10.00
11. ALL BRASS FLAMEPROOF KEY. J7A DATED 1921. 20.00
12. AS ABOVE EXCEPT IS IN ORIGINAL BOX. 25.00
13. SPIES ELECTRIC WORKS. POLECHANGER KEY. TYPE 1 B M.U. TEL. CO. 40.00
14. TELEGRAPH PARTS. PART OF REPEATER? PART OF WOODEN CASE. LARGE MULTI-WINDING COIL. BRASS TERMINALS AND ONE HEAVY BRASS CONTACT ARM. 20.00
15. J.H. BUNNELL. KEY AND SOUNDER SET. SOUNDER AS CAST IRON FRAME WITH GOLD SCROLLING. KEY IS MASSIVE AND PAINTED GOLD IN COLOR. (LOOKS LIKE ORIGINAL PAINT.) 75.00
16. SIGNAL SOUNDER. LIKE NEW. 50.00
16A. INSTRUCTOGRAPH TELEGRAPH CODE PRACTICE MACHINE. MADE BY RAILROAD TECHNICAL TRAINING ASSOC.. CRANK IS MISSING AND BUZZER COVER IS MISSING, BUT SPRING IN THE CLOCKWORKS IS GOOD AND TAPE MOVES; INCLUDES ONE PAPER TAPE. THIS UNIT IS BLACK PAPER COVERED BOX. VERY GOOD. 50.00
16B. M.U. SOUNDER 1B-40. VERY GOOD. 30.00
17. MESCO SOUNDER. WOOD BASE MOUNTED ON CAST IRON FRAME. EXC. 40.00
18. STRAIGHT KEY. KEY ARM IS RUSTY. FRAME IS CAST IRON. 15.00
19. J.H.BUNNELL. 2-11 500 OHM SOUNDER. THIS IS A BEAUTY. 50.00
20. VIBROPLEX BLUE RACER SEMI AUTOMATIC BUG. STANDARD MODEL. 35.00
22. J.H. BUNNELL. SOUNDER. RESTORED TO BEAUTIFUL. 40.00
23. NICE STRAIGHT KEY ON A ROUND WOODEN BASE MADE OF TIGER MAPLE. BALL BEARING PIVOTS. CHROME LEVER. 22.00
24. WOODEN BASE FOR SMALL SOUNDER. ORIGINAL BUT NOT MARKED. 5.00
25. STRAIGHT KEY TYPE J38. BOTH KNOBS MISSING, OTHERWISE IS COMPLETE. NEEDS CLEANING. 5.00
26. TYPE 2-7 BUNNELL RELAY (SOUNDER?) SPRING MISSING, OTHERWISE EXCELLENT. 20.00
27. SIGNAL. MASSIVE BRASS KEY. EXCELLENT. 25.00
28. WESTERN ELECTRIC. AT AND T BRASS KEY. GOOD. 20.00

MICROPHONES.

1. RING MIKE. SMALL 5" RING. VOLUME CONTROL IN BASE. CHROME OK. NEEDS PAINT ON BASE. 40.00
1A. COMPANION AUDIO AMPLIFIER BY PAM. (SAMPSON ELECTRIC) 15.00
2. CARBON HAND MIKE. BAKELITE. 4.00
3. CARBON HAND MIKE. ALUMINUM (T 17) 4.00
4. LITTLE WONDER MIKE. IN ORIGINAL BOX. 10.00
5. SMALL CARBON HAND MIKE. COILED CORD. RS 38A. 3.00
6. RING MIKE. SPRING HELD. 14" HIGH. BLACK. NO CORD. 25.00
7. LARGE RING MIKE. STAND IS 2 FEET HIGH. NEEDS PAINT. ELEMENT IS IMPRESSIVE. ABOUT 5 INCHES ACROSS. NO NAME BUT DATED JUNE 2, 1927. 40.00
8. PHILMORE JR. MIKE IN ORIGINAL BOX. NEW WITH INSTRUCTIONS. 15.00

VARIABLE CAPACITORS

1. RPM. PLASTIC ENCLOSED. ABOUT 200 PF. 10.00
2. ANSCO. CONCURRENT CAPS. ONE ABOUT 150 PF AND THE OTHER ABOUT 15 PF. WITH VERNIER DIALS. NEW. 2 AVAILABLE. 10.00
3. EZ TOON. VARIABLE WITH MICRO VERNIER. ABOUT 250 PF. 8.00
4. ENCLOSED IN CAN-LAB QUALITY. GENERAL RADIO AIR CAPS. TYPE 182. NICE DATA LABEL ON THE BOTTOM OF CAN. 30.00
5. AS ABOVE EXCEPT TYPE 182A. 30.00
6. ENCLOSED IN HARD RUBBER CONTAINER. AIR CAP BY MANHATTAN ELECTRIC SUPPLY. 25.00

INSTRUMENTS

1. WESTON VOLT-AMMETER. IN LEATHER CASE. MIRROR BACK. 20.00
2. HICKOK. MILLIAMETER. MIRROR BACK. 0-500. 15.00
3. GENERAL RADIO #102E DECADE RESISTANCE BOX. VG 20.00
4. READRITE MULTI TESTER. BLACK METAL OVAL SHAPED BOX. VG 20.00
5. GENERAL RADIO WAVEMETER. #223. EXCELLENT. 50.00
6. GENERAL RADIO DECADE RESISTANCE BOX. #602L. EXCELLENT. 25.00
7. READRITE #700 TESTER. PAPER COVERED CASE WITH INSTRUCT. 20.00
8. READRITE #550 SERVICE OSCILLATOR. GOOD. 15.00
9. OLD STORE TUBE TESTER. JEWELL ELECTRICAL INSTRUMENTS. HUGE METER. NICE SLOPING PANEL. 2' HIGH AND 30" LONG. NICE ITEM FOR RADIO ROOM. 40.00
10. PRETTY MIRROR BACK WESTON DC VOLTMETER. MODEL 1. GOOD. 30.00

VARIOMETERS AND VARIOCOUPLERS

1. FEDERAL. GREEN, SELF-SUPPORTING WIRE. TWO AVAILABLE. 20.00 EA
2. NO NAME. BAKELITE FORM. GOOD. 12.00
3. PEARLCO. BROWN BAKELITE. GOOD. 12.00
4. AMRAD BASKETBALL STYLE. 1921. 30.00
5. REHLER. EXCELLENT. BLACK BAKELITE. TWO AVAILABLE. 25.00 EA

MISCELLANEOUS

1. WESTERN ELECTRIC FIELD TELEPHONE. SQUARE WOODEN CASE WITH RINGER. GOOD. 12.00
2. SHORTWAVE AND TELEVISION LABS CONVERTER. MATCHES AK MODEL 40 CABINET STYLE. 15.00
3. INTERESTING "WHATZIT". ALL HAND MADE BRASS PARTS PLUS TWO MODEL "A" SPARK COILS. ALL PUT TOGETHER IN NEAT FASHION IN A NICE WOODEN PORTABLE CASE. I THINK THAT IT WAS INTENDED TO BE A SPARK TRANSMITTER. GREAT CONVERSATION PIECE. 35.00
4. OMNIGRAPH. NO KEY BUT WORKS AND HAS PLENTY OF CODE PLATES. EXCELLENT. 95.00
5. KNIFE SWITCHES. OLD AND UNUSED.

This method applies to AC radios having first audio tubes of the grid cap type such as 6Q7, 6B7, 6F5, 55, 75.

Get yourself a patch cord that has a phono plug on one end and alligator clips on the other end. The phono plug goes into the earphone jack of your tape player or the headphone jack of your record player (if its stereo, don't push the plug all the way in, just far enough until you get something from the radio.) Remove the grid cap from the first audio tube and connect the red alligator clip to the grid cap on the tube. Connect the slack (ground) alligator clip to the radio chassis. If the alligator clips are too small for the grid cap, get a grid cap connector from an old junk radio.

The volume is controlled by the volume control on the player and obviously the tuning knob on the radio has no effect. On most sets you can still use the tone control.

There you have my idea about it. And as you have probably already thought, the sound quality is much better than with the signal generator because it is a direct connection.

club news

ANTIQUE RADIO CLUB OF AMERICA

Melvin Comer of Ardmore Pennsylvania sent in the good news about ARCA.

From all the advanced reservations so far it appears that the Antique Radio Club of America will be having the largest attendance ever at the coming meet at Louisville, Kentucky June 4-5-6th at the Holiday Inn-Rivermont there.

Those attending will have the opportunity to see one of the most extensive and outstanding collections of antique radios compiled by Mr. John Caperton over a period of many years. The displays there cover a wide area of beautifully restored equipment in many different categories. There may also be the possibility-- weather permitting-- of viewing the Caperton Collection of antique cars as well.

Several tours have been arranged to enjoy the high lights of famous Louisville antiquity in the surrounding area-- including a trip on a steam paddle-wheeler down the river.

All in all-- it seems to be the event of the year both at the Holiday with numerous displays, old gear contests, large flea market, talk and show and tell sessions with reasonable convention rates available.

Cheerio.. Mel-

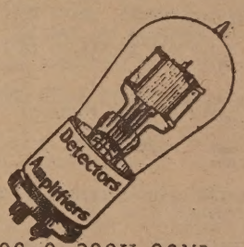
IHRS REGIONAL SPRING MEET

Ross Smith of Elkhart Indiana sent some interesting information about a very active day and evening planned for Saturday, May 9, 1981 at Auburn Indiana. Actually the meet starts at 6.00 p.m. at the Starlite Motel, Friday, May 8, 1981.

There is also morning registration at the Museum Swap Meet, south parking lot at 9.00 a.m. Collectors will be able to enter their sets under seven contest classifications.

The Indiana Historical Radio Society supports a museum fund and the members work hard toward its goal. There will be a sale of donated items for the

OLDE TYME RADIO COMPANY
2445 LYTTONSVILLE ROAD
SILVER SPRING, MARYLAND 20910



OLDE TYME RADIO COMPANY
2445 Lyttonsville Road
Silver Spring, Maryland 20910
(301) 585-8776

FOR SALE

* AK STYLE BATTERY CABLE
  5 CONDUCTOR ..... .75/FT.
  6 CONDUCTOR ..... 1.00/FT.
* BROWN SILK TYPE POWER CORD ..... .30/FT.
* OLDE TYME AC PLUGS - NEW ..... 1.10 EACH
* RF, ANT, OSC COILS, IF TRANSFORMERS MOST FREQUENCIES ..... 2.50 EACH
* TUBES, 1920 TO 1960. NEW OR USED, STATE YOUR PREFERENCE ..... WRITE FOR A QUOTE
* EXACT REPLACEMENT HANDLES FOR RADIOLA II AND VIII 4.50
* VIBRATORS, NEW OR USED
  6V - 4 PRONG OR 12V - 4 PRONG
  6V - 3 PRONG OR 12V - 3 PRONG
  6V OR 12V NEW 5.50
  6V OR 12V USED 2.50
* BALLAST TUBES - NEW UNITS - GOOD SELECTION. LET US KNOW THE TYPE YOU REQUIRE 3.75
* NEW POWER XFMRS 300-0-300V 90MA 5V@3.0A, 6.3V@3.5A ... 15.00 EA
* ANTIQUE HEADPHONES -- MANY DIFFERENT MAKES ---- USED / TESTED ..... 5.00 EACH
* ANTIQUE HEADPHONES, NEW - 1 PR LEFT . 10.00
* REPLACEMENT TYPE AUDIO TRANSFORMERS - 3:1 RATIO. SINGLE PLATE TO PUSH PULL GRIDS. SMALL SIZE. NEW ..... 7.00 EACH
* OUTPUT TRANSFORMERS
  REPLACEMENT TYPE ..... 4.50 EACH
  PHILCO OUTPUTS ..... 4.50 EACH
* RESISTOR LINE CORD REPLACEMENT KIT 5-TUBE SETS ((2) 6.3V TUBES PLUS (2) 25 V TUBES) AT .3A. MODEL RLC-1 ..... 3.50 EACH
* RESISTOR LINE CORD REPLACEMENT KIT 6-TUBE SETS ((3) 6.3V TUBES PLUS (2) 25V TUBES) AT .3A. MODEL RLC-2 ..... 4.50 EACH
* ESCUTCHEON AND NAME PLATE SCREWS
  BRASS - ROUND HEAD

GUAGE	LENGTH	
0	1/4"	10 FOR .50
2	3/8"	10 FOR .50
1	1/4"	10 FOR .50

* PLEASE INCLUDE SUFFICIENT FUNDS FOR SHIPPING.

sake of the museum cause. In fact the auction of personal items carrys its ten percent fee as a donation to the IHRS Museum.

IHRS wants everyone to make their own reservations: L & K Motel (800) 447-4470 or the Starlite (219) 925-0500. Both are on SR 8 W, Auburn, IN 46706

MID-AMERICA AUCTION

Bob Lane sent us the following information about MARC.

The Mid-America Antique Radio Club will have their fifth annual auction on Sunday afternoon, April 12, 1981 at 1:00 p.m. This year the auction will be at the Solar Tool and Die Company, 720 N. Agnes, Kansas City, Missouri. There is no charge for buying or selling anything at the auction, but you must be a member-- having paid your $5.00 a year dues. We expect members to come over 500 miles to this auction, as we had last year. This one should be even bigger than last and everyone is welcome. Write to Bob Lane, 4031 W. 97th Ter, Overland Park, KS 66207, for directions or call (913) 648-5296 evenings.

TBM HOSTS VRPS AUCTION

An auction for collectors will be held at the Texas Broadcast Museum on March 21, 1981, activities starting at 2:30 p.m. The auctioning of sets and parts starts at 6:00 p.m. The museum is located in the West End Historical District, 1701 N. Market Street, Dallas, Texas.

CLASSIFIED

Classified ad rate: 6¢ per word
Photo ads: $2.00 extra
Deadline: 20th of the preceding month.

PHOTO ADS ONLY $2.00 EXTRA

List ads - 35¢ per line

AD SPACE:
full page.....$50.00
half page.....$25.00
quarter page..$12.50
multiple runs.....
20% discount

mart

MISCELLANEOUS

"""""""""""""""""""""""""""""""""""

"VINTAGE RADIOS RESTORED RIGHT.. .the first time. 21 years experience. Fast, warranted service. Maury Zivitz, Ph.D; 11503 Atwell Dr.; Houston, Tx 77035; (713) 723-4254, after 6."

"""""""""""""""""""""""""""""""""""

SINCE 1975 "RADIO AGE" MAGAZINE has featured articles on the history of early radio, restoration hints, biographical sketches of radio pioneers along with lots of photographs and classified ads. "Radio Age" is published monthly except July and August. Subscriptions are $10.50 for 1st class mailing and $8.50 for 2nd class mailing. Send check or money order to Radio Age, 636 Cambridge Road, Augusta, GA 30909. Sample $1.00.

****

"JERRY'S MUSICAL NEWS" (OVER 500 subscribers) phonographs, radios etc. ads. Subscription $6. year. Sample 50 cents. 4624 Woodland, Edina, MN 55424.

::::::::::::::::::::::::::::::::

FOR SALE OR TRADE

****

VARIOUS TUBE ADAPTORS AS 199-01-A etc. Also a few new old tubes in boxes from 1- volt- 117 volts no WD11's. Radiola 18 with tubes clean in cabinet works OK $75.00 Looking for AK B-Bs' or parts especially 3-4 tube cluster. Bill Key, 625 Whitman St., RFD Hanson, MA 02341. Tel. (617) 447 2311.

****

FOR SALE: RIDERS MANUALS, OLD CAR RADIO MANUALS, LOW PRICES. All new list of tubes for sale - 75 cents each. Radios, parts, etc. SASE for lists. Bruce Harbeck, 1316 - 38th, Sioux City, Iowa 51104. (712) 258-6855.

****

MAJESTIC MODEL 196 CATHEDRAL - $65; CABINET FOR ZENITH 6D-628 (EXCELLENT) $8 ; TEMPLE DYNAMIC SPEAKER (NEEDS STRIP OF VENEER) $8 ; "RADIO PHYSIC'S" BY GHIRARDI $5.50 ; "MODERN RADIO SERVICING" BY GHIRARDI $5 ; VINTAGE RADIO SERVICING (RON BOUCHER), 376 CILLEY ROAD, MANCHESTER, NH 03103. (603) 669-1698. WANTED: INSTRUCTIONS FOR READRITE MODEL 710 ANALYSER.

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FOR SALE OR TRADE

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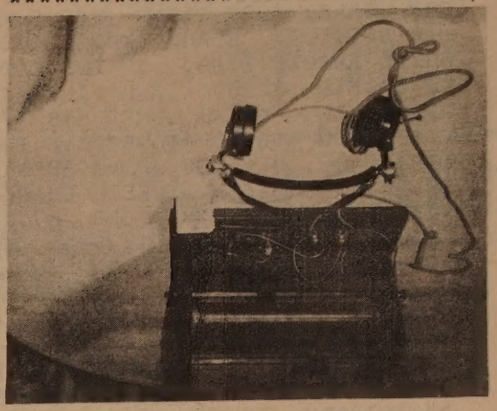

WANTED: CATHEDRALS, BREADBOARDS, "The Radio Collectors Guide."
SALE OR TRADE FOR ABOVE: 1918 circa crystal set (pictured), AK 20 refinished, AK 60 refinished, Radiola 18 with 100 speaker, Philco 45. Gary Hill, 1507 Ridge Ave., New Castle, PA 16101. (412) 654-9335.

****

-- RADIOLA III (GOOD - XFMR OK) $50.00
-- RCA 125 SEMI-CATHEDRAL (GOOD COMPLETE - SHORTWAVE 1735) -- $55.00
-- EMERSON B5 SQUARE TOP (GOOD COMPLETE 1932) $35.00
-- ONE TUBE HOMEBREW IN CABINET (VERY GOOD) $25.00
-- AMERICAN BOSCH 5A (EXCELLENT COMPLETE 1933?) $45.00
-- RCA 102 (VERY GOOD 1933? VERY SMALL) $30.00
-- AMERICAN BOSCH 501 (GOOD WORKING) $30.00
-- STROMBERG CARLSON AWP-8 "TRANSOCEANIC" TYPE PORTABLE (EXCELLENT - WORKING - 1956 - 8 BANDS) $35.00
-- U. S. NAVY WW II BROADCAST RECEIVER (STROMBERG CARLSON MADE 1943 - WORKING) $40.00
-- A. K. 33 (GOOD) $40.00
-- PHILCO 89 SQUARE TOP (VERY GOOD COMPLETE SHORT WAVE) $40.00
-- PHILCO 116B SQUARE TOP (VERY GOOD - COMPLETE - 5 BANDS) $65.00
-- 1950'S RADIO MADE IN SHAPE OF BROADCAST MIKE (EXCELLENT WORKING) $25.00

RON BOUCHER, 376 CILLEY ROAD, MANCHESTER, NH 03103. (603) 669-1698.

****

FOR SALE OR TRADE

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FOR SALE: 1921 FLAME PROOF KEY MIB $25. 1" BLACK KNOBS WITH WHITE ARROWS 1.50. 2" INDICATOR KNOBS MIB $2.00. ALL AMERICAN AMPLIFYING TRANSFORMER MIB $4. RADIOTRON UV877 PROTECTIVE TUBE MIB $4.00. NICKOLS ADD-A SPEAKER $7.00. TUNGAR TRICKLE CHARGER WITH EXTRA BOXED TUBE $7.00. BURNELL 150 OHM RELAY $25. ZENITH WAVE MAGNET ANTENNA $8. AMPLIFLEX ANTENNA NO BASE $35.00. SLEEPER SERENADER INSTRUCTION BOOK $10. CROSLEY MODEL 96 CAR RADIO BOOK $8. MOHAWK PHAMPHLET - SHOWS 8 RADIOS $5. RCA RT 34/APS 13 $35. RCA RA TUNER NO BOX $80. MAGNAVOX TRF5 $65. CLAPP EASTHAM H-2- 165. RADIOLA 18 - $45. 3 KNIFE SWITCHES - $7. WEECO GEM CRYSTAL SET - $65. CROSLEY ADVERTISING CLOCK GREAT - $165. HEADPHONES, INSULATORS & TUBES CASERTA, 47 VISTA LA., LEVITTOWN, NY 11756. (516) 731-7175 EVES.

****

TUSKA RADIO RECEIVING SET PATENT October 6, 1914 "Licensed for amateur and experimental use only." Type 301 Serial 21945. Philco farm radio model 623 2 volt storage "A" battery. Code 121 - Write G. J. Sandt, RD1, Box 280, Sligo, PA 16255.

****

1 MANHATTEN ELECTRIC WIRELESS SPARK BOX NICE OAK WORKS 125 2 W E 7A AMP/W 3 205Ds NICE 135 3 SCR 95 WAVEMETER 1918 WORKS 50 4 LARGE PORCELAIN BASE INDUSTRIAL SPARK GAP 30 ALL ITEMS POSTPAID STEVE 201-462-7987 RD 1 MARLBORO NJ 07746

****

A GOOD INVESTMENT. Approximately 2,000 radio tubes from the 20's to the 50's. Most all new in boxes. Write for details. Also 35 small plastic and wood table radios, the lot $350.00. Also 5 Electrical Experimenter magazines in excellent condition $50.00 the lot. Burt Noyes, 4 Pinewood Dr., Stratham NH 03885.

****

BRITISH SCIENCE MUSEUM BOOK, "Thomas Edison, Professional Inventor," $4.35 postpaid. J. Denny, 2929 N. Westmoreland, Arlington, Virginia 22213.

****

AK PARTS, AK SETS, OLD RADIOS, TUBES, TEST EQUIPMENT, RIDERS, RCA, ZENITH, PHILCO SERVICE DATA PLUS MORE. MAGAZINES, LIST 3-81 SEND 50 CENTS PLUS LARGE SASE WITH 50 CENTS IN STAMPS. KRANTZ, 100 OSAGE AVE., SOMERDALE, NJ 08083.

****

FOR SALE OR TRADE

****

376 CILLEY RD.
MANCHESTER, N.H.
03103

RESTORATION
REPAIR

VRS
VINTAGE RADIO
SERVICING

(603)
669-1698

-BUY-
SELL - TRADE

****

ATWATER KENT BREADBOARDS. TWO TUBE. 3 TUBE. 5 TUBE. TEN CATHEDRALS. TUMBSTONES. EARLY BATTERY SETS. RADIO HORNS. PICTORIAL LIST $1.00. CHARLES, BOX 259 MERLIN, OR 97532. (503) 476-1078

****

TRADE OLD RADIOS-CATALOGS-LITERATURE-PARTS-TUBES FOR OLD STRINGED MUSICAL INSTRUMENTS-FIDDLES-GUITARS-MANDOLINS-BANJOS-ETC. REGARDLESS OF CONDITION. PLEASE DESCRIBE. CECIL BOUNDS, PINE SPRINGS RTE., CARLSBAD, NM 88220.

****

HI-FI, TAPE, AUDIO, and radio retail magazines and brochures: 1930-1935; Regency FM; early 1950's transistor sets. Have trade items. H. Layer, AV-SFSU, 1600 Holloway, San Francisco, CA 94132. ..

****

OLD TUBES - 20'S, 30'S, 40'S. Lots of 100 or more, $1 per tube Unused, original boxes, John Greeley, 1201 S. Fifth, La Crosse, WI 54601 (608) 784-24535.

****

RADIO & HOBBY MAGAZINES FROM good to rough no covers. "Radio News" 200 copies 1922 to 1967, "QST" 250 copies 1923 to 1973, "Radio Craft / Radio Electronics" 180 copies 1932 to 1965, "Popular Electronics" 120 copies 1954 to 1970, "Wireless Age" 23 copies 1914 to 1924, "Electrical Experimenter" 13 copies, "Citizens Callbook" 12 copies, "Popular Radio" 12 copies, "Modelmaker" 45 copies 1934 to 1940, "Minerologist" 1951 to 1963 all, some copies of 12 other old radio and electrical magazines. Send your want list with SASE for quote. No lists available. Collector, 141 Homan Avenue, Elkhart, IN 46516.

****

23 PHONOGRAPHS RANGING FROM NICE to junk. Edison OPERA conversion. Fireside. Standard. Home. Zonophone. 5 Victors incomplete. Columbia front mount. Pathe. Busy Bee. "Ect" take all for $2750 including freight. (503) 476-1078.

****

FOR SALE OR TRADE

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RADIOS TUBES

CATHEDRALS:

AK 708 - $250. MAJESTIC 200 - $139. AK 84 $250. PHILCO 70 - $170. PHILCO 20 - $160.

OTHERS:

AK 37 W/SPKR $130. PHILCO JR. PORTABLE $120.

SPKRS:

RCA 1325 - $40. WE 518-W- $95. MAGNAVOK M-1 $35. - R-2 $90.

TUBES:

45-$5, 35-$4, 80-$3, 26-$5, 27-$4, 47-$6, 01A-$5, 46-$4, 30-$4, 36-$4..

MANY OTHERS. SEND LARGE SASE D. S. DEXTER, 151 HUDSON, NY, NY 10013. (212) 226-4885.

*** VICTOR ** COLUMBIA DISK HORN PHONOGRAPHS ***

****

RADIO & HOBBY MAGAZINES FROM good to rough no covers. "Radio News" 200 copies 1922 to 1967, "QST" 250 copies 1923 to 1973, "Radio Craft / Radio Electronics" 180 copies 1932 to 1965, "Popular Electronics" 120 copies 1954 to 1970, "Wireless Age" 23 copies 1914 to 1924, "Electrical Experimenter" 13 copies, "Citizens Callbook" 12 copies, "Popular Radio" 12 copies, "Modelmaker" 45 copies 1934 to 1940, "Minerologist" 1951 to 1963 all, some copies of 12 other old radio and electrical magazines. Send your want list with SASE for quote. No lists available. Collector, 141 Homan Avenue, Elkhart, IN 46516.

****

FOR SALE. TABLE MODEL SILVERTONE phonograph with internal speaker $75.00 plus shipping. Hugh E. Kuhn, Rt. 3, Lime Springs, IA 52155.

****

BOOKS. RIDERS RADIO #I. $200.00 RCA VICTOR SERVICE #I #II #3. 1923 TO 1947. $50.00 EACH. OLD CRTS 5TP4 $50.00. TP400A $50.00 7JP4 $50.00. NEW 3KP4 OFFER. OLD RADIO TUBES. WRITE WANTS. SEIDEL 925 STARLITE, GRANTS PASS, OR 97526. (503) 476-1078.

****

DAHLBERG MODEL 4130-D1 COIN OPERATED RADIOS circa 1950. These operate on dimes and have pillow speakers. $25.00 each. Includes all shipping charges. Kevin Bosomworth, Box 863, Albert Lea, MN 56007.

****

FOR SALE: NOW AVAILABLE -- COMPLETE PLANS FOR BUILDING YOUR OWN RCS-728 "A", "B", & "C" POWER SUPPLY. $4.50 TO GARY SCHNEIDER, 6848 COMMONWEALTH BLVD., PARMA HGTS., OH 44130.

****

FOR SALE OR TRADE

****

OLD TUBES - 20'S, 30'S, 40'S. Lots of 100 or more, $1 per tube Unused, original boxes, John Greeley, 1201 S. Fifth, La Crosse, WI 54601 (608) 784-24535.

****

FOR SALE: CATHEDERAL, BATTERY and AC RADIOS from 1920's and 1930's. Please send self address stamped envelope. J. Albert Warren, Box 279, Church St., Waverly, PA 18471.

****

COMPLETE LINE OF DIAMOND NEEDLES for juke boxes; AMI, Rock-ola, Seeburg, Wurlitzer. Please write for listing and prices. KEITH ELECTRONICS, Lock Haven, PA 17745 Phone (717) 748-7163

****

ADAMS MORGAN (PARAGON) 1922 catalog reprint. VT control, crystal, radios, transmitter,, etc. 16 pages illustrared, $2.95 ea. plus .50 handling mailing. Cecil Bounds, Pine Springs Rte. Carlsbad, NM 88220.

****

FOR SALE: AUTHENTIC REPLICAS: FRONT PLATES FOR AK VARIO COUPLERS, VARIOMETERS, TYPE 11 TUNER, DIALS, KNOBS, POINTERS, BINDING POST NUTS, PUSH BUTTONS, BELT DRIVE PULLEYS FOR AK AND MUCH MORE. SASE FOR LISTINGS. K. PARRY, 17557 Horace, Granada Hills, CA 91344. .....

****

FOR SALE OR TRADE: OLD RADIO BOOKS, next 5 sales lists for a $1.00. RADIOGRAPHICS BOOKS, Box 18492, Cleveland Heights, OH.... 44118. ..

****

COMPLETE LINE OF DIAMOND NEEDLES for for juke boxes, AMI, ROCK-OLA, SEEBURG, WURLITZER, Please write for listing and prices. KEITH ELECTRONICS, 209 Bellefonte Ave., lock haven, PA 17745. Phone (717) 748-7163

****

FOR SALE: RCS-728 power supply now in 9th year of manufacture. Do you have yours yet? Send SASE for spec sheet to: Gary Schneider, 6848 Commonwealth, Parma Hgts., Ohio 44130

****

FOR SALE OR TRADE: Edison T-shirts and tote bags! Send for descriptive flyer. Phonograph postcards, send stamp for sample New Amberola, 37 Caledonia, St. Johnsbury VT 05819

****

HAPPY COLLECTING

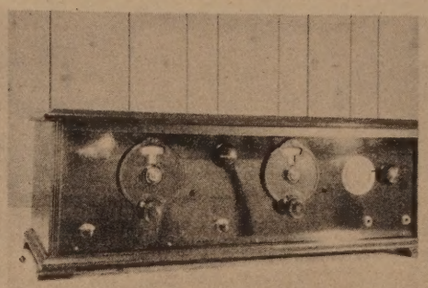
****

WANTED

WANTED: BREADBOARDS -- 4 TUBES or less. Anything pre 1922. What have you got?? Postage refunded. Ray Garner, Rt. 10, Box 645M-1, Ft. Worth, TX 76135.

WANTED: GENERAL ELECTRIC NE-18 2 watt bulbs. Also scanning discs. 3 - stage resistance coulped amplifiers. Darcy Brownrigg, Chelsea, Quebec, J0X 1N0, Canada.

CASH FOR DECEMBER 1915 TO DECEMBER 1921 QST's for personal collection. Ken Miller, K6IR; 16904 George Washington, Rockville, Maryland, 20853. (301) 774-7709



WANTED: SCHEMATIC WITH ANY service data for Bremer-Tulley "Counterphase 6" (kit). Cabinet I have has a label "Signal Electric manufacturing, Menominee, Michigan. Does anyone have this set? Photo may help for true identity. Darcy Brownrigg, Chelsea, Quebec, J0X 1N0 Canada

---

WANTED: WIRE RECORDERS; ARMOUR, Brush, unusual types only. Also; VLF Signal Simulator, c. 1968, pre 1940 TV literature. H. Layer, AV-SFSU, 1600 Holloway, San Francisco, CA 94132.

HELP. UTAH OR SIMILAR MAGNETIC speaker unit, with 5/8 inch (outside diameter) throat, working and distortion free. Also need clean and readable Radiola 18 dial scale. Replies acknowledged and postage refunded. George Eklund, 6518 Gunpowder Lane, Prospect, KY 40059.

OLD STYLE RADIO GRILLE CLOTH. ALSO ANY MAGAZINE ADS SHOWING GRANDFATHER CLOCK RADIOS. WILL PURCHASE ANY MAGAZINE CONTAINING SUCH AN AD. W. PETERS, 163 S. BROADWAY, LINDENHURST, NY 11757.

RADIOS OF THE '30S AND EARLY '40S (working) especially Scott, Arvin, A.K., Crosley and Majestic. One or more or entire collection. Particulars to Arthur Axelman, 20627 Clark St., Woodland Hills, CA 91367 "

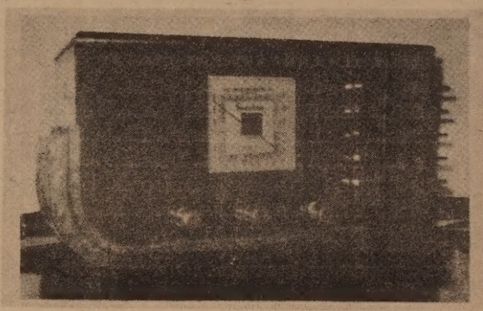
WANTED

WANTED -- COCKADAY 4 CIRCUIT tuner radio. This is a kit radio. J. Albert Warren, Box 279, Waverly, PA 18471.

WANTED: SCOTT 30 TUBE PHILHARMONIC. Must be in original cabinet and in mint to good restorsble condition. Will travel anywhere to purchase. Dave Pierson, 635 E. Buchtel Ave., Akron, OH 44304. (216) 384-8898.

AUDIO TRANSFORMER FOR KENNEDY VI -- Thorardson same as for V, XV, XXXX. Kennedy 311 portable for swap or sale. Bob Lane, 4031 W 97 Ten. O.K., KS 66207.

AUTOMOTIVE RADIO ITEMS: VIBRATors, original radios, cable heads, power tuner types, misc. cash paid. trade 1927 QST's. Marvin Roth, 14500 LaBelle, Oak Park, MI 48237.



PLEASE HELP. I love mirrored glass radios. If you have one, or know where there is one, please let me know. I'm also interested in any "wild looking" radios from the 1930's like colored celluloid radios (Fada, Emerson, etc.) and chrome radios. Barbara Gorton, Box 1252, Dayton, OH 45401. (513) 253-5073.

WANTED: 1928-1940 THEATER Horns and Drivers, particularly W-E and RCA. Shearer Two-Way Theater Speaker. Cinaudagraph PE-27 and others. W-E 26A Multi-cell. Rayleigh Disc. Rola Horn Speaker. Rola "Pedestal" Cone Speaker. W-E 713-A H.F. Driver. Call (501) 777-6751. Jim Hunter, % Klipsch and Assoc., P. O. Box 688, Hope, AR 71801.

WANTED FOR DISPLAY: Scanning disc television, Patsy Hicken, WCSC Broadcast Museum, 80 Alexander Street, Charleston, S.C. 29402. (803) 723-8371.

RAYTHEON TELEVISOR LAMP FOR JENKINS Scanning Disc TV. Top price paid for scanners. Bill Russell, 6463 1/2 Fulton Ave. Van Nuys, CA 91401 (213) 989-4086.

PUETT ELECTRONICS

PUBLISHERS OF P.O. BOX 28572 DALLAS TEXAS 75228

ANTIQUE RADIO TOPICS & THE CLASSIC RADIO NEWSLETTER

LIST N/19

HOW TO ORDER - (1) MAKE ALL CHECKS OR MONEY ORDERS PAYABLE TO PUETT ELECTRONICS. ALL PAYMENTS MUST BE IN U.S. FUNDS AND NEGOTIABLE WITHOUT PAYMENT OF A BANK COLLECTION FEE. MONEY ORDERS ISSUED BY POST OFFICES IN CERTAIN COUNTRIES (CANADA FOR EXAMPLE) ARE ACCEPTABLE IF THEY CAN BE CASHED IN A U.S. POST OFFICE.

(2) ALL ORDERS ARE POSTPAID AND INSURED. THE PRICE OF ALL ITEMS INCLUDES POSTAGE AND INSURANCE CHARGES. SEE ORDER BLANK ON OTHER SIDE.

(3) TEXAS RESIDENTS ADD 5% STATE SALES TAX. --- (4) YOU CAN USE YOUR MASTER CARD OR VISA TO CHARGE YOUR PURCHASES. VISA CUSTOMERS SEND YOUR ACCOUNT NUMBER AND EXPIRATION DATE. MASTER CARD CUSTOMERS SEND YOUR ACCOUNT NUMBER, INTER BANK NUMBER AND EXPIRATION DATE.

YOU MAY CALL J.W.F. PUETT AT HIS RESIDENCE BETWEEN THE HOURS OF 9:00 AM and 10:00 PM CENTRAL STANDARD OR CENTRAL STANDARD DAYLIGHT TIME FOR FREE TECHNICAL CONSULTATION - (214) 327-8721 or 321-0927.

MasterCard VISA

ANTIQUE RADIO TUBES

ALL TUBES ARE GUARANTEED - SEE TERMS OF GUARANTEE STATED IN OUR CATALOG.

0A2	$3	1H4	$6	2A4	$8	6A5	$6	6B6	$6	6J8	$6	6SR7	$5	7B5	$6	12AH7	$5	12SN7	$4
0A3	$3	1H5	$6	2A5	$7	6A6	$5	6B7	$7	6K5	$5	6SS7	$5	7B6	$6	12AT6	$4	12SQ7	$5
0A4	$3	1H6	$6	2A6	$7	6A7	$9	6B8	$7	6K6	$5	6ST7	$5	7B7	$7	12AT7	$4	12SR7	$5
0B3	$4	1J5	$6	2A7	$6	6A8	$7	6BA6	$3	6K7	$6	6SU7	$5	7B8	$6	12AU6	$3	12SW7	$5
0C3	$4	1J6	$6	2B7	$6	6AB4	$4	6BE6	$4	6K8	$6	6SV7	$5	7C5	$5	12AU7	$3	12V6	$4
0D3	$4	1L4	$6	2E5	$10	6AB5	$12	6BJ6	$4	6L5	$6	6SZ7	$5	7C6	$8	12AV6	$4	12Z3	$4
0Y4	$4	1L6	$12	2W3	$4	6AB7	$6	6C4	$4	6L6	$5	6T7	$6	7C7	$6	12AX7	$4	14A4	$6
0Z4	$5	1LA4	$7	2X2	$6	6AC5	$4	6C5	$4	6L7	$6	6T8	$15	7E6	$6	12AY7	$4	14A5	$6
1A3	$6	1LA6	$6	3A4	$5	6AC7	$6	6C6	$7	6N5	$12	6U5	$12	7E7	$6	12B7	$6	14A7	$6
1A4	$6	1LB4	$7	3A5	$5	6AD5	$7	6C7	$7	6N6	$6	6U6	$4	7F7	$12	12B8	$6	14AF7	$6
1A5	$5	1LC5	$6	3A8	$6	6AD6	$9	6C8	$6	6N7	$6	6U7	$7	7F8	$9	12BA6	$4	14B5	$6
1A6	$5	1LC6	$6	3B5	$5	6AD7	$6	6CB6	$3	6P5	$5	6V6	$3	7G7	$7	12BE6	$4	14B6	$6
1A7	$4	1LD5	$6	3B7	$5	6AE5	$5	6D4	$5	6P7	$6	6V7	$5	7H7	$6	12C5	$5	14B8	$6
1B4	$6	1LE3	$6	3C6	$6	6AE6	$6	6D6	$7	6Q7	$6	6W6	$4	7J7	$7	12C8	$6	14C5	$5
1B5	$6	1LF3	$6	3LF4	$6	6AE7	$6	6D7	$7	6R7	$6	6X4	$4	7K7	$8	12E5	$5	14C7	$6
1B7	$6	1LG5	$6	3Q4	$5	6AF5	$6	6D8	$7	6S4	$5	6X5	$4	7L7	$7	12H6	$6	14E6	$6
1C5	$4	1LH4	$6	3Q5	$5	6AF6	$9	6E5	$12	6S7	$6	6Y6	$5	7N7	$10	12J5	$6	14E7	$6
1C6	$5	1LN5	$6	3S4	$4	6AG5	$4	6E6	$5	6S8	$7	6Z4	$6	7Q7	$6	12J7	$5	14F7	$7
1C7	$6	1N5	$6	3V4	$5	6AG7	$5	6E7	$7	6SA7	$5	6Z5	$6	7R7	$6	12K7	$6	14F8	$8
1D5	$6	1N6	$6	5AZ4	$8	6AH5	$5	6E8	$7	6SB7	$6	6Z7	$6	7S7	$7	12K8	$6	14H7	$6
1D7	$6	1P5	$5	5R4	$5	6AH7	$5	6F5	$6	6SC7	$6	6ZY5	$6	7V7	$6	12L6	$4	14J7	$7
1D8	$6	1Q5	$5	5T4	$5	6AK5	$3	6F6	$6	6SD7	$5	7A4	$6	7W7	$6	12Q7	$6	14N7	$6
1E4	$5	1R4	$6	5U4	$4	6AL5	$4	6F7	$7	6SE7	$5	7A5	$5	7X6	$7	12SA7	$5	14Q7	$6
1E5	$6	1R5	$3	5V4	$5	6AL7	$9	6F8	$5	6SF5	$5	7A6	$6	7X7	$7	12SB7	$6	14R7	$6
1E7	$6	1S4	$4	5W4	$5	6AQ5	$4	6G5	$12	6SF7	$5	7A7	$6	7Y4	$6	12SC7	$6	14W7	$6
1F4	$6	1S5	$4	5X4	$5	6AQ7	$5	6G6	$5	6SG7	$6	7A8	$6	7Z4	$6	12SF5	$5	14X7	$7
1F5	$6	1T4	$5	5Y3	$4	6AT6	$4	6H4	$5	6SH7	$5	7AD7	$6	10	$9	12SF7	$5	15	$9
1F6	$6	1T5	$5	5Y4	$5	6AT8	$3	6H6	$3	6SJ7	$5	7AE7	$6	12	$8	12SG7	$6	19	$7
1F7	$6	1U4	$5	5Z3	$5	6AU6	$3	6J4	$5	6SK7	$5	7AF7	$8	12A5	$6	12SH7	$5	19T8	$3
1G4	$6	1U5	$5	5Z4	$5	6AV6	$4	6J5	$4	6SL7	$5	7AG7	$6	12A6	$6	12SJ7	$5	20	$9
1G5	$6	1V	$6	6A3	$6	6B4	$6	6J6	$3	6SN7	$3	7AH7	$6	12A7	$7	12SK7	$5	22	$8
1G6	$6	2A3	$10	6A4	$7	6B5	$7	6J7	$6	6SQ7	$5	7B4	$6	12A8	$6	12SL7	$5	24A	$7
25A6	$6	36	$6	59	$9	1201	$6												
25A7	$6	37	$6	70A7	$7	1203	$6												
25AC5	$6	38	$6	70L7	$8	1231	$6												
25B6	$6	39	$6	71A	$9	1232	$7												
25C6	$6	40	$9	75	$8	1273	$6												
25L6	$6	4025	$5	76	$5	1274	$6												
25S	$6	41	$6	77	$7	1282	$6												
25Z5	$6	42	$6	78	$8	1291	$6												
25Z6	$6	43	$7	79	$6	1294	$6												
26	$7	44	$6	80	$5	1629	$9												
26A6	$6	45	$10	81	$9	1855	$6												
26A7	$6	45Z3	$3	82	$7	1853	$6												
27	$7	45Z5	$4	83	$7	5881	$7												
28D7	$4	46	$6	83V	$7	6146	$7												
30	$7	47	$9	84	$6	9001	$5												
31	$6	48	$8	85	$6	9002	$5												
32	$6	49	$8	89	$6	9003	$5												
32L6	$4	50	$9	117L7	$9	9006	$6												
32L7	$4	50A5	$6	117M7	$9	VR75	$4												
33	$6	50B5	$4	117N7	$8	VR90	$4												
34	$6	50C5	$3	117P7	$8	VR105	$4												
35	$7	50C6	$7	117Z3	$6	VR150	$4												
35A5	$6	50L6	$5	117Z4	$6	VT-5E	$7												
35B5	$5	50X6	$6	117Z6	$6	FM1000	$9												
35C5	$4	50Y6	$6	485	$7	XXB	$6												
35L6	$5	50Y7	$6	717A	$9	XXD	$6												
35W4	$5	51	$7	879	$5	XXL	$6												
35Y4	$6	53	$15	884	$8	XXFM	$7												
35Z3	$6	55	$8	950	$8														
35Z4	$6	56	$6	951	$8														
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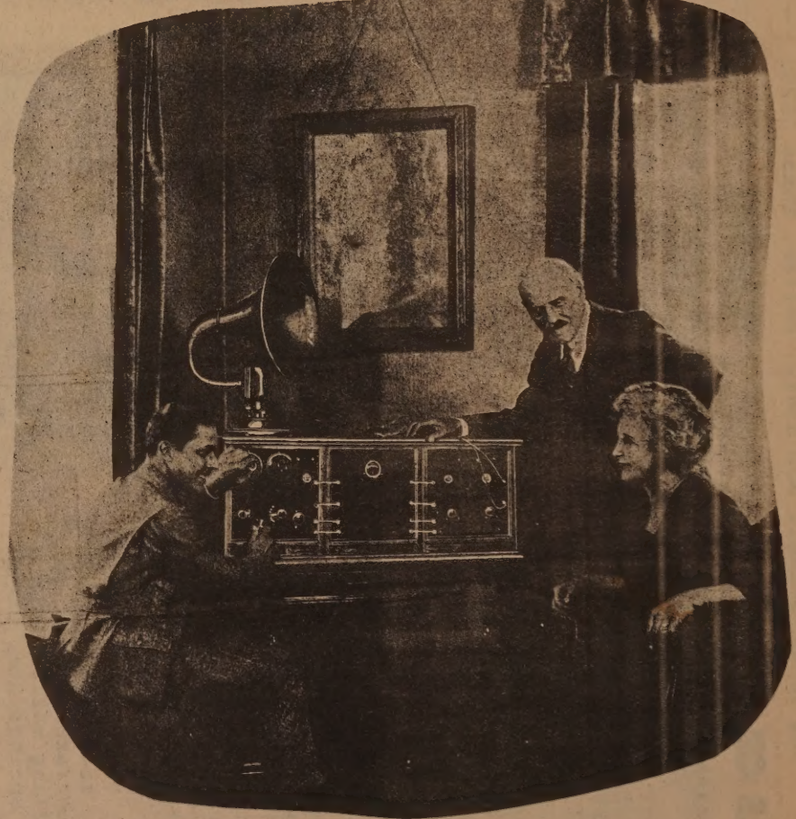

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